3.0 Megapixel Digital Video Camera
CAA-03040S

Polaroid

User's Manual

20070110

Safety Notice:

1. Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
2. Avoid all contact with water, and dry hands before using.
3. Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera.
4. Use the camera with care. Avoid pressing hard on the camera body.
5. For your own safety, avoid using the camera when there is a storm or lightning.
6. Do not use batteries of different types. Doing so may lead to the potential for serious damage.
7. Remove the batteries during long periods between non-use, as a deteriorated battery may affect the functionality of the camera.
8. Remove the battery if it shows signs of leaking or distortion.
9. Use only the accessories supplied by the manufacturer.
10. Keep the camera out of the reach of small children.

FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installations. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Move the equipment away from the receiver.
-Plug the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/television technician for additional suggestions.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void Your authority to operate such equipment.

*Environment:

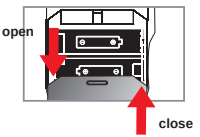
Do not throw the appliance away with the normal household waste at the end of its life. Bring it to an official collection point for recycling.

By doing this you will help to preserve the environment.

Loading the battery

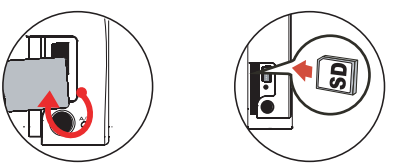
Please use two AA batteries.

1. Slide open the battery compartment cover as indicated.
2. Load the batteries into the battery compartment with + and - ends correctly installed.
3. Replace the cover.



Inserting the SD/MMC card (optional)

1. Lift the SD card cover.
2. Insert the card in the direction of indication until it reaches the end of the slot.
3. When using a SD card, the built-in memory will become inaccessible.
4. To remove the SD card, gently push the card until it pops up.



! The serial number of the file name (PICTxxxx) will be counted even after you delete all your files on the SD card or insert a new one. If you want to restart the serial number, please use the camcorder "**Format**" function to format the card.

Turning on the camcorder

Open the LCD panel.

OR

Press and hold down the **Power** button (⏻) for 3 seconds.

Turning off the camcorder

Close the LCD panel.

OR

Press and hold down the **Power** button (⏻) for 3 seconds.

> ❗ Press the **Power** button (⏻) quickly will turn the video light on/off.

Setting Language

Power-on → Press the **Mode** button → Use the **Zoom** buttons (▲▼) to enter the **Setting** (🔧) mode → Use the **Zoom** buttons (▲▼) to select the **Language (** (ABC) **)** item → Use the **Zoom** buttons (▲▼) to select a suitable language and press the **Menu/OK** button to confirm.

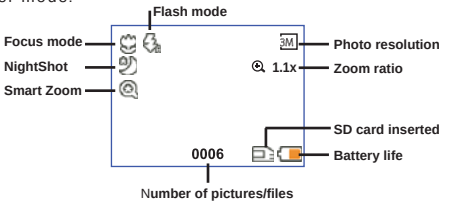
Battery Life Indicator

Icon	Description
	Full battery life
	Moderate battery life
	Low battery life
	Empty battery life

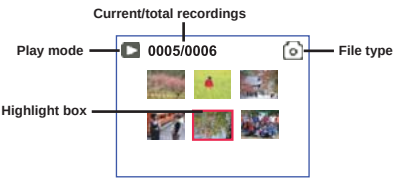
Note: When your battery indicator reads “Low Battery Life” please replace the batteries.

Reading LCD indicators

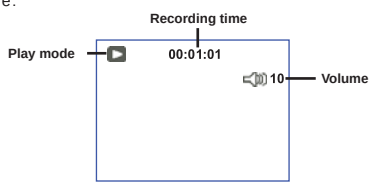
Digital Camcorder mode:



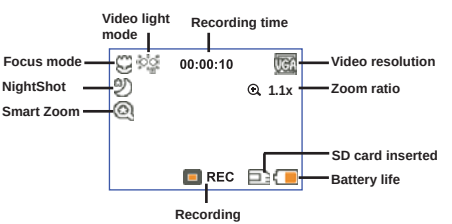
Playback thumbnail mode:



Playback full mode:



Video REC mode:



Recording a video clip

1. Set the focus to an appropriate setting. Normally, you may set the focus to ( ) for most filming conditions. Select ( ) only for close-ups.
2. Press the **Record** button ( ) to start recording.
3. Use the **Zoom** buttons ( ) to zoom in or zoom out the screen.
4. Press the **Record** button ( ) again to stop recording.

Taking a still picture

1. Set the focus to an appropriate setting. Normally, you may set the focus to ( ) for most picture taking conditions. Select ( ) only for close-ups.
2. Use the **Zoom** buttons ( ) to zoom in or zoom out the screen.
3. Press the **Shutter** button **( )** on the top of the camera to take a still picture.

	50cm ~ ∞
	30cm ~ 50cm

Playing back your recordings

1. Press the **Mode** button.
2. Use the **Zoom** buttons ( ) to select the **Playback (** **)** mode.
3. Press the **Menu/OK** button to enter.
4. Use the **Zoom** buttons ( ) to shift between files.
5. Press the **Menu/OK** button to review/play the file.

! Press the **Shutter** button **( )** to delete files.

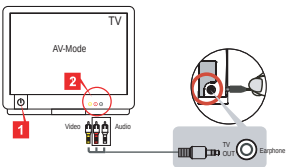
Recording a voice clip

1. Press the **Mode** button.
2. Use the **Zoom** buttons ( ) to select the **Voice (** **)** mode.
3. Press the **Menu/OK** button to confirm. (*)
4. Press the **Record** button ( ) to start recording.
5. When you are done, press the **Record** button ( ) again to stop recording.

! When entering the **Voice** mode, the remaining recordable time will be displayed on the LCD.

Connecting the camcorder to a TV

Connect your camcorder and TV via the accessory AV cable for real-time display. You can display your video clips, still pictures, and audio recordings directly on your TV, sharing them with your friends and family.



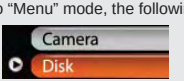
1. Turn on your TV and switch the TV to the appropriate TV AV input mode.

> ! TV systems are different for various countries. You may need to adjust the **TV-out** setting, please refer to page 8 for more information. (Taiwan: NTSC; America: NTSC; Europe: PAL; China: PAL)

2. Connect the audio and video ends of the AV cable to the TV.
3. Turn on the camcorder.
4. Connect the other end of the AV cable to your camcorder.

Connecting the camcorder to your PC

1. Turn on the camcorder.
2. Connect the camcorder to your computer by the USB cable.

> ! The default is set to “Disk” mode. When connected to a PC, the camcorder will automatically enter Disk (Removable disk) mode.
>
> ! If you set the USB Mode to “Menu” mode, the following screen will appear.
>
> 
>
>
> Please select the desired connection mode.
>
> ! If you would like to change the setting, please refer to page 9 for more information.

Mode selection

1. Turn on the camcorder.
2. Press the **Mode** button.
3. Use the **Zoom** buttons (▲▼) to select the desired item.
4. Press the **Menu/OK** button to confirm.

Basic operation

How to...	Action
Move the highlight bar	Use the **Zoom** buttons (▲▼) to move up or down.
Confirm an item	Press the **Menu/OK** button.
Exit menu/Go back to upper menu	Press the **Mode**/⮌ button (when in sub-menu).

Menu items in Digital Camera mode

Power-on → Press the **Menu/OK** button.

Item	Option	Description
Resolution	Please refer to addendum for more information.	
Selftimer	On/Off	Once the selftimer is turned on, the camcorder will have a ten second delay before recording when the Shutter button is pressed.
Flash	Auto	The flash automatically fires when the lighting is insufficient.
	On	The flash is forced to fire in every shot.
	Off	The flash is disabled.
* Two-in-One	On/Off	This setting allows you to combine two images taken individually into one photo; a double exposure.
Histogram	On/Off	The real-time histogram displays the approximate luminance distribution on the screen. You may adjust the exposure to gain better picture.
* Photo-Frame	1 ~ 10	This setting allows you to add customized frames to photos. 10 background frames are available on the LCD monitor.
	0	The Photo-Frame function is disabled

Menu items in Digital Camera mode (cont'd)

Item	Option	Description
Video	VGA	Set the video resolution to VGA (640x480 pixels).
	QVGA	Set the video resolution to QVGA (320x240 pixels).
Stabilizer	On/Off	Reduces blurry images in certain lighting conditions.
Smart Zoom	On/Off	This setting allows you to get a clearer image when using the zoom buttons.
White Balance	Auto	The camcorder automatically adjusts white balance.
	Sunny	This setting is suitable for outdoor recording in sunny weather.
	Cloudy	This setting is suitable for recording in cloudy weather or shady environments.
	Fluorescent	This setting is suitable for indoor recording with fluorescent lamp lighting, or environments with high color temperature.
	Tungsten	This setting is suitable for indoor recording with incandescent lamp lighting, or environments with low color temperature.
Effect	Normal	Make recordings in natural color.
	B&W	Make recordings in black and white.
	Classic	Make recordings in sepia-toned color.
Exposure	-2~+2	You may manually adjust the lightness or darkness of your image by making changes to the exposure value; a positive makes it lighter, a negative makes it darker.
NightShot	On/Off	This setting allows you to take a photograph with a dark background. Since the shutter speed will slow down when taking photographs in a dark place, we recommend using a tripod.
Video Light	On/Off	The setting allows you to add extra light when the lighting is insufficient during recording video clips

! The **Two-in-One** and **Photo-frame** function will be disabled when the resolution is set to 10M/12M.

Menu items in Playback mode

Power-on → Press the **Mode** button → Enter the **Playback** ( ) mode → Press the **Menu/OK** button.

Item	Option	Description
Delete One	Yes/No	Delete current file.
Delete All	Yes/No	Delete all pictures and video/audio files stored in the memory.

Menu items in Setting mode

Power-on → Press the **Mode** button → Enter the **Setting** ( ) mode.

Item	Option	Description
Beep	On/Off	Enable beep sound on/off.
Flicker	50Hz/60Hz	Set flicker frequency to 50Hz or 60Hz. For more information, please refer to the "**Flicker Settings**" table.
TV-out	NTSC	Set TV system compatibility to NTSC. This option is suitable for America, Taiwan, Japan, and Korea areas.
	PAL	Set TV system compatibility to PAL. This option is suitable for Germany, England, Italy, Netherlands, China, Japan, and Hong Kong.
Icon	On/Off	Enable/disable OSD icons to display on the screen.
LCD Bright	0 ~ 4	Set LCD brightness. A greater value makes the LCD brighter; while a smaller value makes the LCD dimmer.
Volume	0 ~ 10	Set the volume. (0: mute, 1-10 levels)
Format	Yes	Format the storage medium. Note that all files stored in the medium will be gone. The serial number of the file name (PICTxxxx) will be restarted.
	No	Cancel action.
Auto Off	Off 1min/3min/ 5min	Set how long the camcorder will automatically shut down when staying inactive. Setting to [Off] will make the camcorder stay powered on until it runs out of power.

Menu items in Setting mode (cont'd)

Item	Option	Description
Language		Lets you select the language used for OSD.
USB Mode	Menu	When connected to a PC, the camcorder displays a menu for you to choose a desired connection mode.
	Camera	When connected to a PC, the camcorder automatically enters Camera (PC camera) mode.
	Disk	When connected to a PC, the camcorder automatically enters Disk (removable disk) mode.
Start Movie	On/Off	Enable/disable the movie sequence when the camcorder is powered on.
Default	On/Off	Restore factory defaults. Note that your current settings will be overridden.

Flicker Settings

Country	England	Germany	France	Italy	Spain	Russia
Setting	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Country	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

Note: The flicker setting is based on the frequency standard of your local power supply.

Storage Capacity

Memory	Video (min.)		Audio (min.)
	VGA	QVGA	Maximum
SD/MMC card (128MB)	2	9	100
SD/MMC card (256MB)	5	18	200
SD/MMC card (512MB)	10	36	300
SD/MMC card (1GB)	20	72	400

Memory	Still picture		
	5M	3M	1M
SD/MMC card (128MB)	200	350	800
SD/MMC card (256MB)	400	700	1600
SD/MMC card (512MB)	800	1400	3200
SD/MMC card (1GB)	1600	2800	6400

Note: The actual value of capacity may vary (up to ± 30%) depending on the color saturation and complexity of your subject and surroundings.

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